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INDEXED

General Catalog of

FRUIT, NUT and ORNAMENTAL NURSERY STOCK



COLUMBIA . . . NURSERY CO.



ESTABLISHED 1911

Growers of General Line of Quality
Nursery Stock best adapted to
Pacific Northwest

300 N. E. UNION AVENUE AND COLUMBIA BOULEVARD, PORTLAND, OREGON

READ CAREFULLY BEFORE PLACING ORDER

IN presenting this condensed catalog and planting guide, we have eliminated the botanical names as far as possible and have tried to present it to the layman in an easy, understandable manner. We trust you will find it of benefit and will save the catalog for future reference.

At the prices for which we sell our stock and the services we render, we cannot afford to issue an expensive, profusely illustrated catalog but prefer to give you the most in nursery stock for your money.

GUARANTEE—All plants shall be true to name, well grown, properly dug and packed and delivered to the transportation company in good order, after which our responsibility ceases. We assume no responsibility for failure due to after conditions over which we have no control. In case any plant through error prove untrue to name, we will replace without charge or refund not more than the original purchase price.

TERMS—\$1.00 deposit on orders of \$5.00 or under. \$2.00 deposit on orders from \$5.00 to \$20.00. 10 per cent deposit on orders over \$20.00, balance C. O. D. Make checks payable to the company.

HALF PRICE REPLACE—Stock failing to grow after receiving reasonable care will be replaced at half retail price, providing the nursery is notified by August 1st following date of delivery.

Fruit stocks to be of first grade grafted or budded 1 year tops, 2 year roots, unless otherwise specified.

COLUMBIA NURSERY CO.



By sending full amount of cash with the order, as the balance C. O. D. entails a fee to the express company, or a U. S. money order, which the customer pays, you save expense both to yourself and to us. It often happens that the truck lines will deliver to your door, but it also happens that sometimes the shipment is made to the nearest collecting agent, and in some cases this is a considerable distance from you.

DISCOUNT—A 5% discount will be allowed for full amount of cash with the order.

SHIPMENT—Trees up to 4/6 feet in height can now be shipped by Parcel Post as allowance on the size of packages has been increased to 100 inches in length and circumference. However, 6/8 feet, or 2 year old trees, cannot go by parcel post without cutting them back too severely. Shipping season is from November first to April first, depending upon the season.

PLEASE NOTE—Because of expense in packing, we cannot afford to ship orders for less than \$1.00 unless paid in full at placement of order.

Information on spraying and general care for best results, other than what is given herein, entails so many problems that limited space does not allow us to go into details. However, this information will be gladly furnished by your nearest Experiment Station or Agricultural College with the latest data.

For your information, 4 to 6 ft. or 3 to 4 ft. fruit trees are budded or grafted on two-year roots, top one year except where noted; walnuts on three-year roots. We recommend these sizes the best under general conditions; older trees, when properly cut back and receive a little special care in the way of watering and cultivation, may prove the quicker to produce fruit, and are most suitable for city or small plantings. Ornamental stock is sold according to size, not age.

FRUIT TREES

APPLES

Standard Size	Each	10	25
4 to 6 feet.....	\$.45	\$4.00	\$8.75
3 to 4 feet.....	.35	3.00	6.25
Headed about 3½ ft., 2 yr.....	.60	5.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

Summer Varieties

GAVENSTEIN—Large, deep red and orange, best flavored.

OLDENBURG—Large, striped red and yellow, bears young.

RED ASTRACHAN—Large, deep crimson, rich acid flavor.

RED JUNE—Medium, red, ripens early.

TALMAN SWEET—Medium, tinged red, firm and sweet.

WEALTHY—Medium, red, early bearing and hardy.

YELLOW TRANSPARENT—Medium, pale yellow, the best early apple.

Fall Varieties

FAMEUSE—Red on sunnyside, white flesh.

GRIMES GOLDEN—Rich golden yellow, excellent eating and cooking.

JONATHAN—Brilliant red, juicy, well flavored and good bearer.

KING—Large, striped red, good cooking, productive.

ORTLEY—Sometimes called white bellflower, fine flavored.

RHODE ISLAND GREENING—Large, yellow green, good eating and cooking.

YELLOW BELLFLOWER—Large, pale yellow, oblong.

Winter Varieties

ARKANSAS BLACK—Medium, dark maroon, firm, keeps well.

DELICIOUS—Brilliant red, wonderfully flavored, large and juicy.

McINTOSH RED—Red, hardy and productive, keeps well.

NORTHERN SPY—Large, striped red, excellent eating apple.

RED DELICIOUS — Large brilliant red, flavored sweet, lightly touched with acid. Flesh fine grained, crisp and juicy. Wonderful for cider, preferred for eating. Good keeping qualities.

RED ROME BEAUTY—Large red, excellent shipper.

ROME BEAUTY—Large, yellow, shaded red, ships well.

SPITZENBERG—Large, striped red, rich and juicy.

STAYMAN WINESAP—Yellow, striped red, firm, rich.

WHITE WINTER PEARMAN—Excellent all around variety, good keeper.

WAGENER—Early, fine grained, keeps well.

WINESAP—Medium, yellow streaked with red.

WINTER BANANA—Large, pale yellow, good for desserts.

YELLOW NEWTON—Wonderful keeper, firm and juicy.

KING—Very large, yellowish shaded red.

JONATHAN—Medium, light yellow, covered with red stripes.

YELLOW DELICIOUS—A wonderful apple.

Crab Apples

HYSLOP—Deep crimson, excellent variety.

RED SIBERIAN—Yellow striped red.

TRANSCENDENT—Large, yellow, striped red, best variety.

YELLOW SIBERIAN—Small, golden yellow.

+ + +

100 and 1000 Rates. Due to fluctuation in prices in commercial lots, and as we wish to give you any advantage that may accrue, based on quality stock, we will send you quotations on fruit stock, in quantities above 25, upon application.

CHERRIES

In planting a Cherry orchard care should be taken not to plant trees too close together; select a dry soil for the Cherry, as a rule, although it is so hardy a tree it will thrive in a great variety of soil, yet a good sandy or gravelly loam is best. Use same care in planting as other trees.

Orchardists are resorting more and more to the planting of varieties of Cherries that are strong pollenizers. Experience seems to demonstrate that such varieties as Black Tartarian, Black Republican, and Centennial are the best varieties to use for this purpose. Usually about one in every ten trees has proven to be the right proportion to use of these pollenizers.

SPECIAL—We have to offer this season, a limited number of cherry trees suitable for small homes or on city lots where space is limited. A cherry tree top grafted, two or more kinds to same trunk, priced as follows.

Might say here, that where there are cherry trees nearby the combination with pollenizer is not necessary, as two or more sweet cherries will cross pollinize themselves.

Standard Size	Each	10	25
4 to 6 feet.....	\$.60	\$5.50	\$12.50
3 to 4 feet.....	.45	4.00	8.75
2 yr., select branched.....	.75	6.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

See other table for top grafts.

Combination Top Grafts

It takes three or more years to develop a tree of this class, and they are priced accordingly.

BING and ROYAL ANN	\$2.00 each
BING, ROYAL ANN, LAMBERT	2.50 each
BING, ROYAL ANN, MONTMORENCY	2.50 each
BING, ROYAL ANN, LAMBERT, BLACK REPUBLICAN	3.00 each
BING, MONTMORENCY	2.00 each

Sweet Cherries

The sweet cherry is highly profitable. Is hardy and vigorous, good for shipping and best for canning.

BING—Large, dark brown and black, best Pacific Coast variety.

BLACK REPUBLICAN—Medium, black, firm, sweet, good shipper.

BLACK TARTARIAN—Large, purple, juicy, early.

LAMBERT—Large, deep rich red, excellent quality.

OREGON—Large, black, fine shipper.

ROYAL ANNE—Large, firm, red, best canning variety.

CENTENNIAL—Very much like Royal Ann in shape and color. As large, sweet and good. Ripens a few days later.

Sour Cherries

Are unsurpassed for making delicious pies.

EARLY RICHMOND—Dark red, early, productive, excellent for cooking.

ENGLISH MORELLO—Early and prolific, tree low spreading.

LATE DUKE—Large, bright red, bears late, tender and juicy.

MAY DUKE—Large, red, early, fine flavor.

LARGE MONTMORENCY—Greatest cherry known. Several different strains come under name; all are good, but we consider our strain one of the very best. Should be largely planted in every orchard. Fruit is large, dark red, and handsome. Wonderful for canning and preserves. Best all around sour cherry grown.

TREE PROTECTORS

The YUCCA TREE PROTECTORS will insure your trees from injury from rabbits, squirrels, gophers, grasshoppers, borers, frost and worst of all, SUN-BURN. They are cheap and durable and will give satisfaction.

	25	50	100	1000
14 inch	\$1.00	\$1.50	\$2.00	\$17.50
12 inch .....	.75	1.25	1.50	14.50

No order for less than 25 Protectors accepted.

Read instruction before ordering. We pay transportation.

PEAR TREES

A few Pear Trees in your back yard orchard help keep down the high cost of living. Plenty of fresh, delicious fruit in season and plenty of preserves in the cellar. The pear tree, like the apple, thrives in many soils.

Standard Size	Each	10	25
4 to 6 feet.....	\$.45	\$4 00	\$8.75
3 to 4 feet.....	.35	3.00	6.25
Headed about 3½ ft., 2 yr.....	.60	5.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

ANJOU—Large, flesh yellow white, excellent flavor, good keeper.

BARTLETT—Large, lemon yellow red blush, buttery, hardy and productive.

BEURRE BOSC—Long neck, deep yellow, fine flavor, good shipper.

CLAIRGEAU—Large, yellow shaded crimson, russet dots.

CLAPP'S FAVORITE—Large, pale yellow, early, hardy, productive.

CORNICE—Fine appearance, good flavor, medium producer.

FLEMISH BEAUTY — Medium, pale yellow with russet, hardy.

KIEFFER—Yellow russet, hardy, bears young, excellent for canning.

SECKEL—Small, rich, spicy, delicious flavor, very popular.

WINTER BARTLETT — Small, resembles Bartlett, good winter pear.

WINTER NELIS—Small russet, wonderful flavor, standard winter pear.

PEACHES

Most universally planted fruit for home use. Peach trees are being planted profitably as fillers in apple orchards; they make ground space, that is practically idle, pay well until apples come into bearing. Peach trees will thrive nearly everywhere. In planting, prune the tops to a clean whip; each succeeding year prune the shoots of last year's growth.

Standard Size	Each	10	25
4 to 6 feet.....	\$.45	\$4.00	\$8.75
3 to 4 feet.....	.35	3.00	6.25
Extra select .....	.60	5.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

J. H. HALE—Choice variety, averages one-third to one-half larger than Elberta, ripens about 5 days earlier and superior in flavor. A beautiful golden yellow, with deep carmine blush. Good shipper.

EARLY ELBERTA—Ripens about a week earlier than Elberta; otherwise the same, or a trifle better quality.

ELBERTA—Large yellow, with red cheek; flesh yellow, firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. Leading market variety.

FITZGERALD—Fruit large, brilliant color, bright yellow, suffused with red; flesh deep yellow, best quality.

ROCHESTER—Has habits of Crawford, but fully 2 weeks earlier. Yellow, freestone, good size, very sweet and fine flavor. Requires only half usual amount of sugar for canning. Does not rot on trees. In a class by itself.

CHAMPION—Best of white freestone varieties. Skin creamy-white with red flush. Desirable variety for commercial orchards. Extremely hardy and of uniform good quality. Freestone.

CRAWFORD'S EARLY—Has all characteristics that gratify the taste. Color, rich red splashed and mottled with darker red and golden yellow. Flesh is beautiful and perfectly free from stone. Matures in mid-season. Vigorous and productive.

CRAWFORD'S LATE—Fruit unsurpassed in appearance, scarcely equalled in texture of flesh and richness of flavor. Soft tints of red and yellow. Fruit matures late. Used extensively in commercial orchards. Freestone.

HALE'S EARLY—Medium, nearly round; skin mottled red, dark red cheek. Flesh white, juicy, melting, high flavored; freestone.

HEATH CLING—Delicious cling. Very large; skin downy, creamy white with faint blush of red; flesh white, slightly red at pit; very tender, juicy, sweet; valuable for canning.

MAYFLOWER—Earliest of all, well colored all over; vigorous, bears young and heavy; good flavor and size.

MALTA or MUIR—Very sweet and firm, yellow, with sometimes faint blush. Large, very free, pit quite small. Most popular drying and canning variety on the coast.

ORANGE CLING (Runyan's)—Fruit large, yellow; rich, sugary, vinous flavor. Tree heavy bearer; hardy.

SALWEY—Large, yellow English Peach, with deep yellow flesh; very juicy, melting and rich. Valuable late market variety.

SLAPPEY—Fruit yellow, good keeper; excellent flavor, fine grained, rich. Hardy, best medium early yellow Peach.

EARLY CHARLOTTE — Improved seedling from Early Crawford.. This remarkable peach succeeds in Oregon, where many other varieties fail. Flesh yellow, melting and juicy; rich and excellent flavor; free-stone. Ripens ten days after Crawford's Early.

PLUMS

Annual sprayings with Bordeaux mixture keep away the curl leaf and fungus, and thinning of too heavy crops of fruit prevents fruit rot. Plum trees are the best kind to set out in chicken yards; their full, rounded form furnishing abundant shade for fowls. Set trees 16 to 20 feet apart.

Standard Size	Each	10	25
4 to 6 feet.....	\$.45	\$4.00	\$8.75
3 to 4 feet.....	.35	3.00	6.25
Headed about 3½ ft., 2 yr.....	.60	5.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

BURBANK—Medium, red, flesh yellow, juicy, heavy bearing.

CLIMAX—Large, deep red and yellow, flesh yellow, juicy, heavy bearing.

BEAUTY—Large, crimson, amber crimson flesh.

COLUMBIA—Large, brownish purple, flesh yellow, rich and free.

DAMSON—Small, purple, flesh greenish, tart flavor.

GREEN GAGE — Round, pale green, rich, sweet, juicy, old favorite.

MAYNARD—Large, dull red, firm, juicy, rich, sweet.

METHLEY—Small, purple red, early, sweet, juicy.

PEACH—Large, brownish red, juicy.

SANTA ROSA—Large, purple crimson, flesh amber, good shipper.

SATSUMA—Large, deep red, firm, juicy, excellent for preserves.

WICKSON—Large, deep red.

WINESAP—New prize plum. Large, bright red, juicy.

YELLOW EGG—Large, golden, firm, good cooking variety.

MONARCH—Of special merit. Very large, oval, dark purplish blue, perfect freestone.

PRUNES

Standard Size	Each	10	25
4 to 6 feet.....	\$.45	\$4 00	\$8.75
3 to 4 feet.....	.35	3.00	6.25
Headed about 3½ ft., 2 yr.....	.60	5.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

DATE—Large, high sugar content, productive, best drying, canning.

FRENCH—Medium, violet purple, sweet sugary.

HUNGARIAN—Large, dark red, sweet juicy.

ITALIAN—Large, purple, excellent for drying.

STANDARD—Large, purple, productive, fine for home use.

SILVER—Similar to Coe's Golden Drop, large, productive.

SUGAR — Large, purple, vigorous, tender, juicy, sweet.

TRAGEDY—Large, purple, early, sweet and well flavored.

APRICOTS

One of most beautiful of the stone fruits. Thrifty grower soon making a fine head, producing an abundance of fruit. Requires practically same conditions and treatment as peach.

Standard Size	Each	10	25
4 to 6 feet.....	\$.45	\$4.00	\$8.75
3 to 4 feet.....	.35	3.00	6.25
Extract Select .....	.60	5.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

BLLENHEIM—Fruit is above medium size, oval, deep orange. Flesh beautiful yellow, juicy, fine flavored.

MOORPARK—Fruit large, roundish, about 2¼ inches in diameter. Skin orange in the shade, but deep orange or brownish red in the sun. Flesh quite firm, bright orange, parting from the stone.

PEACH APRICOT — One of largest; firm fruit, juicy, rich flavor; productive.

ROYAL—Fine, large French variety; fruit roundish, large, oval, slightly compressed. Skin dully yellow with orange cheek, very faintly tinged with red. Flesh pale orange, firm and juicy, rich, vinous flavor.

TILTON—Fruit large size, rich apricot color. Bears immense crops every year; is considered most prolific of all apricots, either for canning or drying.

QUINCE

One year old.....	\$.75 each
Selected trees	1.00 each

ORANGE—Large golden.

CHAMPION—Very large, bright yellow.

PINEAPPLE — Flavor is suggestive of pineapple; fruit resembles Orange quince; making superior jelly; can be eaten raw, has a most delicious flavor, not equaled by any other quince.

NECTARINES

The fruit may be described as a smooth skinned peach. Thrives where peaches do and takes same cultivation and management. Is superior to the peach as a dryer and makes excellent preserves.

Same price as peach.

Standard Size	Each	10	25
4 to 6 feet.....	\$.45	\$4.00	\$8.75
3 to 4 feet.....	.35	3.00	6.25
Extract Select .....	.60	5.50	
5 at 10 rate; 15 at 25 rate; 50 at 100 rate; 300 at 1000 rate.			

EARLY VIOLET — Medium size, skin yellowish green, with purple cheek; flesh melting, rich and highly flavored.

BOSTON—Bright yellow, red cheek; flesh yellow.

How to Prune Fruit Trees

For home orchard, trees should be gone over once each season and where limbs are crowding, should be thinned out enough so they do not rub or interfere one with the other. Best results are usually obtained when this is done in late winter or early spring. All cuts should be made smooth with shoulder which extends slightly out from body. Do not leave any stubs, but cut close up to shoulder. Wounds of an inch or more across should be covered with white lead paint or good pruning compound. Do not use barn paint or any coal-tar paint.

Do not trim lower limbs off to make high headed trees. Low, compact heads stand windy conditions of the West better than high-open-topped trees. Just use common sense in thinning out limbs, cutting out most undesirable, where two limbs are interfering one with another. Heavy later pruning can be avoided if care is taken the first two seasons after planting, to see that heads are properly formed. It is important to get the right frame limbs for the tree right at the start. If this is properly done less later pruning will be required..

NUT TREES

Almost every farm contains land that should be planted to nut trees adapted to the soil. Nuts in many cases pay better than farm crops or fruits, while most kinds are making a growth of valuable timber that will of itself pay a large per cent on the investment.

Our Specialty—Walnuts

We grow thousands of these yearly and you may be assured of getting the best that experience and skill can produce. For best results, do not plant much deeper than two or three inches to what they grew in nursery; grafts should be above ground. Our trees are purposely grafted a little high as experience has demonstrated this to be best.

FRANQUETTE—This variety is grown to the exclusion of all others in the Northwest. All kinds are self-sterile; it will pay to interplant with late blooming Meylan in commercial plantings, about 1 to 20 trees. Better cross pollination will result, and help to increase yield.

We grow the Mayette also; it is a round large nut, thin shelled. Does not stand up well in shipping, but is planted very widely in some districts. Very fine flavored.

Franquette or Mayette—	Each	Per 10
3 to 4 feet.....	\$1.00	\$.85
4 to 6 feet.....	1.25	1.10
6 to 8 feet.....	1.50	1.30
8 to 10 feet.....	1.75	1.50
Top grafts, heads 6 to 8 feet.....	2.00	1.75

These are grafted to straight California bodies 5 feet and up, three or more branches, making rough barked bodies that do not get damaged as easy in cultivation.

Filberts

Barcelona, DuChilla, White Avaline, Nottingham, Alpha, Daviana—

Tip layered, 2 yr., 3/4 ft.....	\$.60	\$.50	\$.45	\$.40
In nursery row, 2/3 ft.....	.50	.40	.35	.30

Barcelona are usually planted 8 to 2 DuChilla, with other kinds for cross pollination. If left to us we will proportion properly.

Chestnut Trees

AMERICAN SWEET — Bears well, handsome, fine shade tree.

ITALIAN or SPANISH—Excellent on Pacific Coast, nuts large, sweet, good quality.

4 to 6 feet.....	\$1.25	\$1.00
6 to 8 feet.....	1.50	1.25

Almonds

Two or more varieties of Almonds must be planted together, in the right combination, to secure successful pollination. Good combinations are Nonpareil and Drake or Texas, Nonpareil and Ne Plus Ultra, Ne Plus Ultra and I. X. L.

4 to 6 feet.....	\$.60	\$.50
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PLEASE NOTE—If interested in walnut or filbert planting in a commercial way, let us know your wants and we will give you our special proposition for wholesale rates to planters. Walnuts are generally sold in commercial districts with no replacement guarantee for various reasons; also filberts are often set out on contract basis by experienced planters in the latest approved manner, properly pollenized and guaranteed, at surprisingly reasonable cost.

If distance is too great to justify the trip from nursery, special arrangements can be made or proper information given to interested parties.

SMALL FRUITS AND ROOT PLANTS

Culture of Small Fruits

Bramble fruits like blackberries, raspberries, dewberries, etc., should have all old wood (older than the previous season's growth cut out close to the ground each spring and past season's growth should be trimmed back to 3 or 4 feet in height. All old canes should be removed and should be burned.

Mulching of currants and gooseberries will give good results. A strawberry bed should have a light coating two inches deep of coarse hay, or straw that is free from weed seed, after the ground has just frozen; and in the spring just about the time growth starts, this covering should be raked between the rows and allowed to remain there until the fruit has been harvested. Then it should be removed and cultivation be resumed.

	Each	10	100	1000
Loganberry	\$.15	\$1.00	\$6.00	\$50.00
Thornless Blackberry ....	.20	1.50	8.00	70.00
Dewberry .....	.20	1.25	7.00	60.00
Blackberry .....	.15	1.00	6.00	50.00
Currants .....	.15	1.25	7.00	60.00
Gooseberry .....	.15	1.25	5.00	40.00
Red Raspberry .....	.15	1.00	2.50	15.00
Blackcap Raspberry .....	.15	1.00	2.50	20.00

Blackberry Varieties: Lawton, Mammoth, Evergreen.

Gooseberry Variety: Oregon Champion. Best for Northwest.

Raspberry Varieties: Improved Cuthbert, St. Regis Everbearing.

Blackcap Varieties: Cumberland, Munger, Gregg.

Currant Variety: Perfection only.

STRAWBERRIES

EVERBEARING MASTODON—Per 50, \$1.25; \$2.00 per 100.

Number One Two-Year-Old

HORSERADISH ROOTS

Plant in the spring 18 to 24 inches apart. Set the whole root small end down.

PRICES: 2 for 15c; 50c per doz.; \$2.00 per 100. Low prices by the 1,000. Crown Root—Quick Results, 15c each; doz., \$1.00.

HARDY CLIMBING VINES AND CREEPERS

For Trellis or Porches

CLIMBING ROSES—Assorted, 2 yrs. 35c.

DUTCHMANS PIPE—2 years. 75c.

HONEYSUCKLE—Hall's Japan, 2 years. 50c.

IVY—Boston, 2 years. 50c.

IVY—English, 2 years. 35c.

JASMINE—White, 2 years. 75c.

Clematis

JACKMANII—Intensely violet purple, rich velvety appearance, distinctly veined. Each \$1.50.

MME. EDUARD ANDRE—New bright red. Large flowering and as free bloomer as Jackmanii. Each \$1.

CLEMATIS PANICULATA—Rapid and vigorous grower; produces sheets of medium size, pure white flowers of most pleasing fragrance; well adapted for covering trellises or fences. Choice plants, 50c; extra fine, 75c.

Wistarias

Strongest growing of all hardy vines. Flowers appear with the first leaves late in spring.

SINESIS—Purple or white; strong vines. Each \$1.00.

W. MULTIJUGA—Similar to Wistaria Sinensis except in color of flowers which are dark violet blue, borne in very long racemes. Each \$1.50.

EULALIA. Hardy grass of interesting character, very useful as solitary clumps on the lawn, or as 4 to 5-ft. backgrounds, and borders. The dried plumes make excellent winter decoration. **Pampas Grass**, large clump, 50c.

HARDY AMERICAN GRAPES

All varieties suitable for arbors and trellis.

BLACK

CAMPBELL'S EARLY—Large black sweet, small bunches, earliest.

MOORE'S EARLY—Resembles Concord but earlier, medium bunches.

CONCORD—Bluish black, profuse, medium bunches.

WORDEN—Similar to Concord but larger, excellent flavor.

ISABELLA—Large and glossy, musky flavor, vigorous.

WHITE

NIAGARA—Standard American green grape, tender, sweet, juicy.

RED

DELAWARE—Small, early, light red, fine flavor.

CATAWBA—Leading American red grape, productive, good keeper.

	Each	10	100	1000
2 years No. 1.....	\$.25	\$1.50	\$12.00	\$100.00
1 year No. 1.....	.20	1.00	10.00	75.00

ASPARAGUS ROOTS

NEW WASHINGTON—Large, straight, dark green shoots of excellent quality, with tips that are tight and firm until well out of the ground.

PRICES. No. 1 Roots—(Generally listed as 2-year). Prepaid, doz., 50c; 50 for \$1.00; 100 for \$1.50; 1,000 for \$8.00.

No. 2 Roots—(Generally listed as 1-year). Prepaid, doz., 35c; 50 for 75c; 100 for \$1.00. Not prepaid, doz., 25c; 100 for 85c; 1,000 for \$6.00.

Select 3-yr. Roots—Prepaid, doz., 75c; 50 for \$1.50; 100 for \$2.50. Not prepaid, doz., 60c; 50 for \$1.35; 100 for \$2.25.

RHUBARB

PIE PLANT—WINE PLANT

Plant in the fall or early spring from 3 to 4 feet apart, in richest soil you have, or can prepare.

RIVERSIDE GIANT—A quick, very early grower, producing very freely giant, heavy stalks, that are exceedingly tender, brittle and of finest flavor and color. A "peerless" rhubarb for home gardens or for commercial plantings.

We supply strong, healthy, divided roots.

SINGLE EYE—Postpaid, each, 15c; doz., \$1.50; 100, \$7.50.

HEDGE PLANTS

Laurel

ENGLISH — Rapid growing, large oblong glossy green leaves. Excellent for large hedges, screens or as single specimens. Choice plants, 15 to 18 in., per 10, \$2.00; per 100, \$15.00

Japanese Barberry

Beautiful throughout the year, with charming foliage in summer. Gorgeous coppery red in fall and an abundant crop of bright red berries in winter make it attractive the year round. Briars of this hardy dwarf shrub are an effective barrier to intruders and you need clip only a few straggling branches to maintain it as untrimmed hedge. 15 to 18 in., per 10, \$2.00; per 100, \$15.00.

Privet

CALIFORNIA — Undoubtedly most popular of all hedge plants. Foliage rich dark green, remaining on plant until mid-winter. 18 to 24 in., per 10, \$1.50; per 100, \$10.00.

ENGLISH COMMON—Similar to Amur River Privet. Best small-leaved evergreen hedge Privet, stands heat and cold and may be planted as specimen shrub if desired. 18 to 24 in., per 10, \$1.50; per 100, \$10.00.

Boxwoods for Hedges and Borders

SUFFRUTICOSA—Dwarf Boxwood. 6 to 8 in., per 10, \$1.50; per 100, \$10.00.

ROSES

Number One Two-Year Old

40c Each, \$3.50 per dozen.

Hybrid Teas

Here is a real bargain in quality rose bushes. All of the outstanding new introductions are listed at one low price.

ANGELE PERNET—Large cup blooms of bright coppery orange red, free blooming and lasting.

BETTY UPRICHARD—Salmon flowers tinged orange; attractive.

DAME EDITH HELEN—One of largest and most perfect pink roses known. Very fragrant. Blooms abundantly.

ETOILE DE HOLLAND—Bright dark red, medium size, deliciously perfumed.

GENERAL McARTHUR—Blooms profusely from May until October. Rich scarlet and crimson. Strong and vigorous.

GRUSS AN TEPLITZ—Sweetest, richest hybrid tea rose—intense dazzling fiery crimson shaded with dark velvet sheen totally unlike any other color in the world. Produced in wonderful profusion throughout the whole growing season.

GOLDEN OPHELIA—A delicate tint of salmon flesh with golden yellow suffusions. Very hardy.

KAISERIN AUGUSTA VICTORIA—Large buds of creamy white. The open flower delicate pure white with lemon center. Very large and fragrant.

LADY HILLINGTON—Big buds of remarkable quality and elegance. Flowers of creamy apricot yellow. Very hardy.

LOS ANGELES—Beautifully shaped. Fragrant flowers of pale satiny pink shaded with deep rose and gold.

H. V. MACHIN—Splendid new exhibition rose; grand scarlet crimson flowers of wonderful size and form. Buds are long and pointed, unusual in red rose.

HADLEY—Color beautiful rich, bright red. Very free and constant. Shapely, graceful bud and flower. One of most charming and distinctive red roses.

BETTY—Beautiful coppery-rose color overspread with golden-yellow; fragrant.

MADAME EDOUARD HERRIOTT—Long, pointed buds, deep coral red, shaded to yellow at base; flower of a rare shade of rosy scarlet, flushed with shrimp and apricot tints.

FRAU KARL DRUSCHKI—Large, grand, hardy, pure white; best and most popular.

MME. CAROLINE TESTOUT—Bright satiny pink. Buds of beautiful shape; very large and extremely showy.

PREMIER—Blooms are immense, buds, long, full and pointed, deep rich rose pink.

PRESIDENT HERBERT HOOVER—Glorious, free flowering. A dazzling combination of cerise pink, flame, scarlet and yellow. Flowers large with a gorgeous fragrance.

RED RADIANCE—Large globular blooms of strong clear red—exceptionally vigorous, profuse bloomer. Very hardy.

PINK RADIANCE—Best pink garden rose, because of vigorous heavy growth and great abundance of bloom; hardy.

REV. F. PAGE ROBERTS—Marvelously colored flowers of golden yellow, copper and reddish buff. Sensational new variety.

SUNBURST—Beautiful orange copper and golden yellow. Long pointed buds. Very fragrant and vigorous.

SOUVENIR DE CLAUDIUS PERNET—A most vigorous grower of erect branching habit—beautiful long pointed buds. Striking sunflower yellow.

TALISMAN—A peerless new cut-flower rose—combination of gold apricot yellow and deep pink quite difficult to describe. Very fine in early spring and late fall.

PADRE—Coppery scarlet, flushed yellow at base of petals. Long, stout, upright canes hold flowers erect. Free-flowering. Excellent bedding variety from England.

WILLIAM F. DREER—Soft shell pink, base of petals rich golden yellow. Sometimes entire flower covered with golden suffusion.

Superb Climbing and Pillar Roses

CLIMBING AMERICAN BEAUTY—Rampant climbing rose, hardy, produces clusters of nicely formed double rich rosy crimson flowers.

CLIMBING CECILE BRUNNER—Flowers produced in clusters and like bush variety are of exquisite form and color. Rosy pink on creamy white ground.

CLIMBING GENERAL McARTHUR—Climbing form of the fine red rose General McArthur. Splendid in every way.

CLIMBING HOOSIER BEAUTY—Handsome, rich crimson flowers shaded to pink. One of best ever-blooming climbing roses yet produced.

CLIMBING LADY ASHTOWN—Large rose-pink flowers shaded to yellow at center. Continuous blooming climbing rose.

CLIMBING LOS ANGELES—Fine climbing form of new Los Angeles. Shrimp pink and coral.

CLIMBING LADY HILLINGTON—Golden yellow flowers, bronzy red foliage and strong arching branches, make this the most desirable pillar and porch rose of its color.

CLIMBING MADAME BUTTERFLY—Climbing form of the beautiful new rose Madame Butterfly. Rich shades of apricot and gold. Glorious climber.

CLIMBING MME. CAROLINE TESTOUT—Counterpart of our famous official pink hedge rose.

CLIMBING MADAME EDOUARD HERRIOTT—Coppery scarlet flushed with apricot. Strong, rapid climbing sort.

CLIMBING SUNBURST—A true pillar rose of strong growth, bearing freely very large cadmium yellow flowers. Beautiful either in bud or open flower.

Hardy Pillar Roses

The following Roses all grow vigorously, and are profuse bloomers. Very hardy anywhere. Flowers borne in large clusters.

CRIMSON RAMBLER—This grand rose well known, very popular; of rapid growth.

DOROTHY PERKINS—Flowers in immense cluster, beautiful shell pink.

DR. VAN FLEET—Flowers large with high built center, petals beautifully undulated and cupped. Beautiful shade of shell pink. Handsome bronze green foliage. Rank climber, immune from mildew.

TAUSENDSCHON (Thousand Beauties)—Distinct. Large single flowers fully 3 inches across; beautiful shade soft pink, shaded carmine, produced in trusses from 10 to 15 flowers.

AMERICAN PILLAR—Flowers saucer-shaped, 3 to 4 inches across, very lasting. Hang in immense clusters all along branches. Clear bright, rosy pink.

PAUL'S SCARLET CLIMBER—Wonderful new hardy climbing rose. Flowers semi-double, produced in clusters. Strong climbing habit.

Tree Roses

Standard or Tree-shaped roses differ from ordinary bush roses in that they are budded into a stalk of some strong growing variety at a height of 3½ feet from the ground, forming a bushy head at the top of a long stem.

We offer a very complete assortment of varieties and colors, and include only such kinds as make a vigorous head.

ETOILE DE HOLLAND—Scarlet.

KAISERIN AUGUSTA VICTORIA—White.

LOS ANGELES—Flame pink.

MME. EDOUARD HERRIOTT—Copper.

SOUV. DE CLAUDIUS PERNET—Yellow.

MME. BUTTERFLY—Light pink.

Height, 4 to 5 feet. Each \$1.95.

THREE-COLOR TREE ROSES

Price \$3.50 Each

Tree-shaped roses with three colors blooming thereon are exceedingly unique and ornamental addition to home grounds and garden, and offer a beautiful blending of colors. We have selected colors which are harmonious and the varieties are of similar habit of growth so that a uniform, well-shaped head is produced.

FIRST COMBINATION

Golden Emblem, yellow; Sensation, crimson; Rose Marie, pink.

SECOND COMBINATION

Souv. de Claudius Pernet, yellow; Queen Alexandria, vermilion red; Louise C. Breslau, salmon.

THIRD COMBINATION

Mme. Ed. Herriott, copper; Mabel Morse, yellow; Etoile de Feu, salmon orange.

FOURTH COMBINATION

Innocence, white; Vesuvius, red; Irish Fireflame, coppery orange. All three varieties are single.

FIFTH COMBINATION

Mabel Morse, yellow; Etoile de Hollande, crimson; Los Angeles, flame pink.

SIXTH COMBINATION

Padre, copper scarlet; Mabel Morse, yellow; Etoile de Feu, salmon orange.

ROCKERY PLANTS

25c Each, 6 for \$1.25

ALSINE BAUHINORUM—Mats of fine evergreen leaves and pure white flowers.

ANDROSACE PRIMULOIDES—Spreading rosettes of silky foliage and heads of rosy lilac flowers.

HYPERICUM CORIS—New St. Johns wort. Bush of some 12 inches with blue-gray foliage and yellow flowers.

DRABA OLYMPIA—Mats of dull green foliage, covered in early spring with sprays of yellow flowers.

PHLOX DIFFUSA—Mats of green foliage and large flowers of white, pink or lavender. A fine form from the timber line of Mt. Hood.

SILENE ACAULIS—Solid mass of bright green moss with bright pink flowers. Always a fine foliage display.

CAMPANULA GARGANICA—Fine dwarf summer blooming bell flower of some 4 inches, with vast numbers of star shaped light blue flowers.

SPRING PLANTING

Cannas

50c Each

DAVID HARUM—Bright, deep vermilion, flowers on bronze foliage.

KING HUMBERT—One of finest. Large, heart-shaped leaves, bronze tinted with purple. Covered with immense orchid-like flowers; individual petals of immense size, orange-scarlet and carmine in color.

Dahlia Assortment

Spring Only, Six Roots, \$1.50

PRIDE OF CALIFORNIA (decorative)—Large full vivid red, fine flower, long stems.

MRS. I. DE VER WARNER (decorative)—Orchid pink, free bloomer, strong grower.

JEAN CHAZOT (cactus)—Golden bronze and nasturtium red, blooms early.

DREER'S WHITE (ball or show)—Pure glistening white, free and early flowering.

DR. TEVIS (decorative)—Magnificent exhibition Dahlia—soft salmon rose and old gold. Erect flowers.

AMBER QUEEN (Pompom)—Rich amber, shaded apricot, one of the most popular varieties.

Delphinium (Larkspur)

SUPREME HYBRIDS—Thrifty 1-yr. plants, grown from selected seed. Greater height, longer flower spikes and more delightful color tones and patterns are assured. Among them occur the much prized shades of pink and white, besides the full range of blues; but no particular colors are guaranteed. Mixed only, 3 for 85c; doz., \$3.00.

FLOWERING TREES

For Your Garden or Driveway

Any SIX of the following.....\$4.00

JAPANESE FLOWERING CHERRY—

Double white4-6 ft. .90

Double pink4-6 ft. .90

Double pink, lavender, ruffled edges...4-5 ft. 1.25

Single pink, heavy flg.....4-6 ft. .90

JAPANESE WEeping CHERRY—

Pink, Red Weeping.....5-6 ft. 1.50

New Double Pink Weeping.....5-6 ft. 2.50

FLOWERING CRABS—

Bechtels, Floribunda, Carmine, Parkmans, Schedecki, Redvein.....4-6 ft. .75

FLOWERING PLUMS—

Red Foliage, Vesuvius, Bleriana, Tri-loba, Newport, Vetchei, Thundercloud, Pissardi6-8 ft. .90

FLOWERING PEACH—

Burbank Double Pink, Early Double Red, Late Double Red, Camelia Red..4-6 ft. .60

FLOWERING ALMOND—

Double White, Double Pink.....3-4 ft. .50

RED FLOWERING HAWTHORNE.....4-6 ft. .75

FRENCH HYBRID LILACS

2/3 ft., each \$1.25; 3/4 ft., each \$1.50

France must be given credit for intensive culture and development of Lilac; vastly increasing size of florets, length and breadth of panicles; strengthening of color tones, and distinctive mingling of shades; refinement of fragrance; and general glorification from root, wood and foliage to the bud and bloom.

ALPHONSE LAVALLE—Broad panicles, violet blue.

BELLE DE NANCY—Great panicles of satiny rose white.

CHARLES JOLY—Dwarf; violet and wine purple.

CHARLES X—Fine lilac flowers, slightly violet, very free.

GEORGES BELLAIR—Large size in compact trusses—very deep rich purple.

GLOIRE DE LORRAINE—Single; large trusses; crimson pink in bud, opening out to mauve. Dwarf.

MARIE LE GRAYE—Single; pure white.

MICHAEL BUCHNER—Dwarf and stocky. Delicate trusses of pale lilac.

MME. ABEL CHATENAY—Beautiful globular buds. Eventually a massive truss, snow white.

MME. LEMOINE—Pure white.

OBELISQUE—Full, compact clusters; pure white.

PRESIDENT GREVY—Slender tube and scapes of rosy mauve, open face a prettily contrasting shade of bright blue.

SOUV. DE LUDWIG SPAETH—Darkest of the blues, deep purplish, long panicles.

SOUV. DE ROTHPLETZ—Silvered old rose in big, round, pendant buds. Of plumbago blue supporting a curled center of mauve and blush; long, bulky spikes.

VIVIAND-MOREL—Intermingled blue and white petals, reverse deep purplish rose.

LILACS—OLD AND NEW

OLD FASHIONED PURPLE—Not yet equalled for fragrance.

OLD FASHIONED WHITE—Pure white, fragrant flowers.

PERSIAN PURPLE—A lighter purple, slender branches.

2 to 3 ft., 60c each.

HARDY PERENNIAL PLANTS

Prices, 3 for 50c

(Not less than 3 plants sold of a kind.)

GAILLARDIAS.

HOLLYHOCKS—Double red, white and yellow.

COLUMBINES—Mrs. Scott Elliott Hybrids.

FOXGLOVES (*Digitalis*).

LILY OF THE VALLEY.

GOLDEN GLOW (*Rudbeckia*).

PRIMROSES—In colors of yellow, red, purple, white.

PINKS (*Dianthus*).

CAMPANULA PERSICAFOLIA.

BLUE BELLS OF SCOTLAND.

CANTERBURY BELLS.

BASKET OF GOLD (*Alyssum*).

COREOPSIS GRANDIFLORA—Fine double form.

GYPSOPHILA PANICULATA (*Baby Breath*).

HERMOCALLIS (*Day Lily*).

EVERGREEN TREES

Planting Trees and Shrubs is a Sound Investment

The planting of trees and shrubbery is not an expense for they enhance real estate values, which makes their purchase a safe and sure investment.

We list the type of shrubs and evergreen trees mostly planted and in demand in the Pacific Northwest. They are of our own growth, so do not hesitate in recommending the following list. These sizes are best suited for new plantings and the most practical to ship. However, upon request we can supply most anything in our line used in the Pacific Northwest. When in Portland we invite you to pay us a visit at our sales yard.

EVERGREEN TREES

All evergreens are dug with roots encased in ball of earth secured by burlap. This leaves the root system undisturbed, unexposed and reaches you in same dirt in which it grew at nursery.

Arbor Vitae

CHINESE—Pyramidal tree finally attaining height of 25 feet. Very compact. Foliage bright green. 18 to 24 inches, \$1.45.

PYRAMIDAL—Forms tall, slender column of densely branched, dark green foliage. Graceful and beautiful. 2 to 3 feet, \$1.95.

GOLDEN BIRKMAN—Beautiful, compact evergreen of dwarf nature. Clear yellow in the springtime. Size, color, compact habit of growth and foliage make it especially desirable for cemetery planting. 12 to 18 inches, \$1.95.

Cedar

DEODAR—Magnificent and stately evergreen conifer towering pyramidal form from Himalaya mountains. Foliage beautiful silvery green. One of most handsome trees for lawn or broad parkways. Most rapid grower of all Cedars. 2 to 3 feet, \$1.95.

CEDAR OF LEBANON—Native of Western Asia. Tall pyramidal tree resembling Deodar when mature, but darker foliage and more open, irregular habit. 2 to 3 feet, \$1.95.

Evergreen Specials

Your choice, 40c each, prepaid.

Plant a few of each as a nursery garden and in a few years you will have a rare collection of choice evergreens. Roots packed in damp moss wrapped with waterproof paper. About 10 to 12 inches.

Spruce

COLORADO—Origin of famous Blue Spruce. Vigorous grower, hardy, broad based, sharply defined pyramidal form; foliage rigidly angular with sharp needles very densely set. Light green. 1½ to 2 ft., \$1.50.

COLORADO BLUE—Selected blue shade, from foregoing. One of showiest and most impressive evergreens, surpassed only by grafted Koster's Blue Spruce. 1 to 1½ ft., \$2.00.

KOSTER'S BLUE SPRUCE—Aristocrat of evergreen family. Shapeliest spruce, and truest, most persistent blue in color of any known tree. 15 to 18 inches, each, \$5.00.

Cypress

ARIZONA CYPRESS—Beautiful bluish-green, narrow pyramidal form for hot dry sections. 2 to 3 feet, \$1.45.

ITALIAN CYPRESS—Useful for gateways, arches, tall borders, etc. True narrow type. 2 to 3 feet, \$1.45.

BLUE LAWSON CYPRESS—12 ft. Most popular Lawson Cypress, beautiful metallic silvery blue foliage, symmetrical habit of growth. Thrives anywhere on coast. 2 to 3 feet, \$1.45.

PLUME CYPRESS—Delicate, graceful, feathery foliage, dense, upright habit. 15 to 18 inches, \$1.45.

Juniper

TRAILING CHINESE—One of most ornamental Junipers for lawn or garden. Trailing habit, foliage of pleasing grayish-green color when fresh, maturing to real dark green. Adaptable to extremes of temperature. 15 to 18 inches, \$1.45.

PFITZERS—Most striking; branches progress spirally along trunk at a 45 degree angle, making a good "filler"; standing alone, it acquires the symmetry of a broken column; branches are long and densely furnished. 15 to 18 inches, \$1.95.

IRISH—Erect, slender, formal in habit; foliage sage green, very compact; splendid column eventually 15 to 20 feet high. 2½ to 3 feet, \$1.45.

SAVIN—Handsome moss green foliage; adapted to use as filler in evergreen groups, or as a dwarf ground cover. 12 to 18 inches, \$1.95.

Pine (Pinus)

AUSTRIAN—Broad based, heavily needled, massive; darkest and richest green of Pines, silhouetting to inky blackness against skyline. Densely and evenly branched, well furnished with attractive tufts of foliage, new growth erect and silvery like candles set along twigs. Hardy, vigorous in growth, although compact. Withstands city smoke better than any other conifer. 2 to 2½ ft., \$2.75; 2½ to 3 ft., \$3.75. Mail size, 50c, 3 for \$1.25.

MUGHO—Only genuine dwarf Pine. Leaves short, stiff, and formal, thickly distributed in tufts over branches in crowded way similar to Austrian, with equal depth and richness of color. Does not grow tall, spreads out, generally assuming globular form; very dense. Popular in foreground of foundation plantings and in pairs for punctuation. 12 to 15 inches, each, \$2.25; 15 to 18 inches, each, \$3.00.

ORNAMENTAL EVERGREEN SHRUBS

60c Each, 3 Plants \$1.50

Evergreen shrubs are the basis of all ornamental planting on the Pacific Coast. While foliage is the prime factor in evergreen shrubs, many plants are also desirable for their beautiful flowers and berries.

Shipped prepaid with ball of earth, burlapped. Convenient planting size from 8 to 24 inches, depending on variety.

ABELIA

GRANDIFLORA—Dark glossy evergreen leaves. Small, fragrant tube-like flowers, shaded light rose and white; are borne nearly every month in the year.

AUCUBA

Or **GOLD DUST PLANT**—6 ft. Showy bushy plants, large glossy green leaves, dotted with gold. Bark is green and berries large and red.

BARBERRY

DARWIN'S BARBERRY—Highly ornamental small shrub with slender branches. Leaves small, rich,

glossy green; in winter season leaves turn bright red. Golden yellow flowers of spring are followed by purple berries; leaves small and holly-like.

CAMELLIA

CAMELLIA—Small trees with shining waxy leaves, and beautiful waxy flowers. We are only able to offer these in assorted colors.

COTONEASTER

C. HORIZONTALIS (Trailing Cotoneaster) — Low growing with horizontal branches, dark green leaves. Fruit bright red.

C. FRANCHETTI—Large sized shrub of graceful droopy habit, covered with mass of red berries in Fall.

C. SIMONSII—Pretty shrub of upright growth, bright leaves and white pinkish flowers, covered with large red berries all winter. Fine for massing.

DAPHNE (ODORA)

Japanese shrub with waxy light green foliage, pink and white flowers in early spring of wonderful fragrance. Well rooted.

ORNAMENTAL EVERGREEN SHRUBS—Continued

HOLLY (ILEX)

ENGLISH (Aquifolia)—Prickly, dark green foliage; grows moderately fast, covered during winter months with bright red berries.

FIRETHORN

PYRACANTHA ANGUSTIFOLIA — China. Strong growing, spreading plant with spiny branches and great abundance of large berries, bright yellow in the fall, deeping to orange in winter.

PYRACANTHA LALANDII (Burning Bush) — Spreading habit; foliage rich dark glossy green; clusters of white flowers in spring are followed by wealth of orange-colored berries.

BROOM

GENISTA HISPANICA (Spartium junceum) or **SPANISH BROOM**—Spain. 8 ft. Strong-fast-growing, many slender, bright-green branches almost devoid of leaves. Bears almost continuously, large, pea-like bright yellow flowers very sweetly scented. Hardy, heat loving and drought resistant.

GENISTA SCOPARIUS ANDREANUS—6 ft. Very beautiful variety of Scotch Broom with pea-shaped flowers.

OREGON GRAPE

Handsome with dark, lustrous, spiny toothed foliage and yellow flowers in dense clusters in spring, followed by purplish berries. Thrives any location, but partial shade and ample moisture result in brighter and glossier foliage. 15 to 18 in., per 6 \$1.95.

HEATHER

SPRING—Very bushy, compact, completely covered during blooming season, from February to May, with small, bell-shaped, pinkish-white flowers.

SWEDISH BELL — Compact, upright, bushy, with stiff stems, very hardy, has purplish pink flowers in late spring from March to June.

LAUREL

ENGLISH LAUREL—Medium sized with broad, shining rich green foliage. Blooms occasionally and flowers are somewhat inconspicuous. Very valuable for foundation work on account of attractive foliage.

DECIDUOUS ORNAMENTAL SHRUBS AND SHADE TREES

FLOWERING QUINCE

To those who have had the first view of a well developed tree of this kind in full bloom, it appears that nothing more beautiful could possibly be found.

RED FLOWERING QUINCE—Is particularly charming. Rose-shaped flowers cover every branch and twig in great profusion. 15 to 18 inch size, 50c each.

AZALEA

MOLLIS—Low growing; in early spring is covered with gorgeous flowers before leaves appear. Each \$1.

BARBERRY

THUNBERGII—Beautiful Japan variety, dwarf habit. Small foliage, changing to beautiful red in Autumn. Bright scarlet berries all winter. 2 to 3 ft., 50c.

BUDDLEIA (BUTTERFLY BUSH)

MAGNIFICA — Lovely long spikes of lilac-colored flowers.

DEUTZIAS

LEMOINEI—Flowers very large and produced in broad-based, cone-shaped heads of from 20 to 30 flowers each of purest white.

PRIDE OF ROCHESTER—Flowers very early, double; pure white, tinged with blush; great profusion. Grows 6 to 8 feet.

GRACILIS ROSEA—Dwarf growing with sprays of pretty light pink flowers late in Spring. Beautiful. 2 to 3 ft., 50c.

FORSYTHIA

FORTUNI (Golden Bell)—Yellow flowers, very early in the spring. 50c.

SPIREAS

Your choice, small, 40c each, 3 for \$1.00.

VAN HOUTTEI—When in flower a complete fountain of white bloom; perfectly hardy and early bloomer.

THUNBERGII—Slender branches, somewhat drooping; foliage in autumn changes to red and orange; white flowers in feathery masses appear early.

PRUNIFOLIA (Bridal Wreath) — Slender, erect growing and bearing very early in spring; small double white flowers entire length of its branches.

ANTHONY WATERER—Dwarf growth, large umbels of crimson flowers.

WEIGELA

CANDIDA—Flowers of purest white, blooming in June, and all summer. Hardy.

EVA RATHKE—Showy, bright red flowers borne freely during the summer.

ROSEA—One of most charming shrubs in cultivation; flowers large, deep rose, borne in great profusion.

Above, 50c each.

SNOWBALL

STERILIS (Common Snowball)—40c each.

HYDRANGEA

ARBORESCENS (Hills of Snow)—24-36 in., 75c.

PANICULATA—24-36 in., 75c.

PANICULATA GRANDIFLORA—24-36 in., \$1.00.

PANICULATA GRANDIFLORA—Tree form, \$1.50.

JAPANESE or HORTENSIA—Blue, pink, white and others. Strong, \$1.00; extra, \$1.50.

Hydrangeas are among most satisfactory shrubs. The Hortensia type are very showy in late spring and early summer, thrive in shade, or on north side of house. Hydrangea Paniculata grandiflora "Peegee", either tree form or bush; flowers from mid-July until early fall, first creamy white and fades to deep pink.

UPRIGHT HONEYSUCKLE—Pink flowers contrast beautifully with foliage.

SHADE TREES

Ask for special rate on lots of 10 or more.

MT. ASH. Red berried.....	6-8 ft.	\$.85
ASH. Green	6-8 ft.	.85
BIRCH. Cut Leaf Weeping.....	6-8 ft.	.85
BIRCH. New Purple Leaf.....	4-6 ft.	1.50
BOX ELDER	6-8 ft.	.85
BOX ELDER. Vari. Leaf.....	5-6 ft.	.90
CATALPA. Western	6-8 ft.	.90
CATALPA. Umbrella	5-6 ft.	2.50
DOGWOOD. White Flg.....	6-8 ft.	.90
DOGWOOD. Florida Red.....	2-3 ft.	5.00
ELM. American	6-8 ft.	.85
ELM. Siberian, Chinese	6-8 ft.	.85
HAWTHORNE. Double Red.....	6-8 ft.	.85
HAWTHORNE. Double Pink.....	6-8 ft.	1.25
HORSE CHESTNUT—		
Red Grafted	4-5 ft.	2.00
White Flg.	5-6 ft.	1.00
GOLDENCHAIN	6-8 ft.	1.00
LINDEN. European	6-8 ft.	1.25
LOCUST. Black, Honey.....	6-8 ft.	.80
MAPLE. Silver, Oregon, Sycamore,		
Norway and Schwedlers.....	6-8 ft.	.90
MAPLE. Japanese Dwarf.....	4-5 ft.	1.25
MAPLE. Dwarf Red.....	2-3 ft.	2.75
OAK. Scarlet, English.....	5-6 ft.	1.25
POPLAR. Lombardi, Carolina.....	6-8 ft.	.75
MULBERRY. Russian	6-8 ft.	.85
MULBERRY. Weeping	5-6 ft.	3.50
WILLOW. Weeping, Golden.....	6-8 ft.	.90
WALNUT. Black	6-8 ft.	.90
SUMAC. Staghorn, Smooth.....	4-6 ft.	.90
TAMARIX. African	3-4 ft.	.75

RED HOT POKER

3-5 Eye Roots, 3 for 95c

TRITOMA or TORCH FLOWER—With huge blossom of bright red flame bring brilliant note to your summer garden. Single plant will produce from five to a dozen stalks. Are easily grown, very hardy, and equal to gladiolus as a cut flower. Tritomas should be planted in oval beds 9 in. to 12 in. apart.

Each, 39c; 3 for 95c.

HELPFUL HINTS

in Selecting Shrubs and Trees

For Unusual Conditions and Special Purposes

EVERGREENS FOR FOUNDATION PLANTING

All Arbor-Vitae	All Retinosporas
Boxwood	Mugho Pine
All Junipers	Cotoneasters
All Cypress	

DWARF EVERGREENS

Juniper excelsa stricta	Arbor-Vitae, bonita
Juniper, Savin	Arbor-Vitae, Berckman's
Boxwood	Dwarf Golden
Pine, Mugho	Taxus
Arbor-Vitae, globosa	

EVERGREEN SPECIMEN TREES FOR THE LAWN

Evergreens of the Fir and Spruce type are best for this purpose—such as Blue Spruce, Concolor Fir and Norway Spruce.

SHRUBS FOR LOW, TRIMMED HEDGES

Barberry Thunbergi	Deutzia gracilis
Boxwood	Spirea A. Waterer
Privet	Spirea Froebeli
Cotoneaster acutifolia	Spirea Thunbergi

SHRUBS FOR MEDIUM, HIGH HEDGES

Spirea Van Houtte	Japanese Flowering Quince
Privet	Bush Honeysuckles

SHRUBS FOR SHADY LOCATIONS

Barberry Thunbergi	Rosa rugosa
Coralberry	Snowberry
Cornus	Spirea Thunbergi
Hydrangea arborescens	Spirea Van Houtte
Deutzia gracilis	Viburnums

SHRUBS FOR LOW FOUNDATIONS

Cotoneaster acutifolia	Spirea Froebeli
Cotoneaster horizontalis	Daphne
Barberry	Spirea arguta
Deutzia gracilis	Spirea Thunbergi
Spirea Anthony Waterer	

SHRUBS FOR HIGH FOUNDATIONS AND SCREENING PURPOSES

Cornus (in variety)	Sumac
Russian Olive	Elder
Honeysuckle, Bush	All Viburnums
Lilac	Forsythia
Pink Flowering Locust	Tamarix
Japanese Red Leaf Maple	Deutzia crenata
Philadelphus coronarius	Elders
Prunus Newport	Weigela Rosea
Spirea opulifolia aurea	

EVERGREENS OF SPREADING AND TRAILING HABITS

Juniper procumbens	Juniper Pfitzeriana
Juniper tamariscifolia	Juniper communis depressa

FLOWERING TREES

Catalpa speciosa	Horse-Chestnuts
Flowering Crabs	Flowering Locust
Japanese Flowering	Flowering Thorns
Cherries	Flowering Plums
Tulip Tree	Weeping Flowering Cherry

TREES FOR STREET PLANTING

Elm, Moline, Vase, Chinese	Paul's Flowering Thorn
European Mountain Ash	Tulip Tree
Maple, Norway, Hard, Soft, and Schwedleri	European Sycamore

TREES OF RAPID GROWTH AND SHADE

Maple, Norway	European Sycamore
Poplars	Elms, Moline and Chinese

MIXED DARWIN TULIP BULBS

100 for \$3.00, Postpaid; Per Dozn 50c, Postpaid

Our special mixture of Giant Darwin bulbs, of many favorite varieties and colors, at a specially low price for those who want quantities.

DOUBLE PEONIES IN MIXTURE

50c Each, \$5 per Dozen

DOUBLE PINK, DOUBLE RED, DOUBLE WHITE, DOUBLE—ALL COLORS MIXED.

TREES

for Various Purposes

Trees with Attractive Autumn Foliage		Weeping Trees	
Sugar Maple	Oaks	Weeping Mulberry	
Dogwood	Tulip Tree	Cut-Leaved Weeping Birch	
Trees for Moist Places		Weeping Willow	
Birch	Oaks	Weeping Cherry	
Willow	Linden	Weeping Mountain Ash	
Poplar	Elm	Trees for Quick Effect	
	Ash	Box Elder	Sycamore
		Catalpa	Poplar
Trees for Winter Beauty		Silver Maple	Willow
Birch	Golden Willow	Trees for Dry Places	
	Evergreens	Junipers (Evergreen)	
Trees for Formal Effect		Mugho Pine (Evergreen)	
Globe-Headed Locust		Elm	Locust
Globe Norway Maple		Ash	Hackberry
Catalpa Bungei			Chinese Elm
Weeping Cherry		Trees with Attractive Color	
Weeping Mulberry		Purple Leaf Birch	
Weeping Mountain Ash		Variegated Leaf Box Elder	
For Street or Avenue Planting		Ornamental Plums	
Ash	Hackberry	Schwedleri Norway Maple	
Linden	Sycamore	Purple Leaf Sycamore Maple	
Elms	Maples	Japanese Red Leaf Maple	

Distances for Planting Trees

In planting trees the greater distance should be given on the richer soils.

Apples	20 to 30 feet each way
Pears (Standard)	20 to 25 feet each way
Pears (Dwarf)	12 to 15 feet each way
Quinces	15 to feet each way
Peaches	18 to 24 feet each way
Plums	15 to 20 feet each way
Cherries	15 to 20 feet each way
Blackberries	6 x 4
Raspberries	6 x 3
Grapes	6 to 8
Walnuts	40 to 60

IMPORTANT—Unpack and examine all packages on arrival; if roots are dry, give a good soaking with water. Never let trees lie about with roots exposed to air. If several have to be planted, open a trench and "heel in" the roots and then plant at your leisure.

Hints on Transplanting

1. Do not allow roots to be exposed to sun, drying winds, or frost.
2. Prune, with a sharp, clean cut, any broken or injured roots.
3. Have holes dug large enough to admit all roots without cramping.
4. Plant in fine loam, enriched with thoroughly decomposed manure.
5. Do not allow any green unfermented manure to come in contact with roots.
6. Spread out roots in natural position, and work fine loam in among them, making it firm and compact.
7. Do not plant too deep. Let upper roots be set an inch lower than before.
8. Remove all broken branches, and cut back at least one-half of the previous year's growth of wood.
9. If season lacks the usual rainfall, water thoroughly twice a week.
10. After culture! Keep soil in a good degree of fertility. Mulching the trees in Autumn with manure is beneficial.

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